



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 REGION 5 CHICAGO REGIONAL LABORATORY
 536 SOUTH CLARK STREET
 CHICAGO, ILLINOIS 60605



Date: 7/28/2017

Subject: Review of Region 5 Data for Mid America Steel Drum, Inc.

To: RCRA, LCD, US EPA Region 5
 77 West Jackson Boulevard
 Chicago, IL 60604

From: Colin Breslin, Chemist
 US EPA Region 5 Chicago Regional Laboratory

The data transmitted under this cover memo successfully passed CRL's data review procedures as documented in the current Quality Management Plan and applicable Standard Operating Procedures. In accordance with the EPA QA/G-8 *Guidance on Environmental Data Verification and Data Validation* and the U.S. EPA Region 5 RMD QMP, CRL performs data verification on all the data generated internally. CRL does not perform data validation or quality assessment procedures.

This report was reviewed and the information provided herein accurately represents the analysis performed.

X Colin Breslin 7/28/2017

Please contact the analyst with any technical report issues, Robert Thompson at (312)-353-9078 for sample project concerns, and Sylvia Griffin at (312)-353-9073 with data transmittal questions. Thank you.

Attached are Results for: Mid America Steel Drum, Inc.

Data Coordinator and Date Transmitted

Analyses included in this report:

Water content, Karl Fisher Titration

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Environmental Protection Agency Region 5 Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

RCRA, LCD, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project: Mid America Steel Drum, Inc.
Project Number: MASD-05-04-17
Project Manager: Jamie Paulin

Reported:
Jul-28-17 12:23

Analysis Case Narrative

General Information

Samples for the analysis of Corrosivity were received at the Chicago Regional Laboratory (CRL) on May 5, 2017, which requires that samples be 20% aqueous, therefore, Water Content determination was required to supplement the Corrosivity analysis. The Corrosivity results were reported separately. The samples reported here were assigned CRL work orders number 1705004. The samples met the preservation requirement upon receipt. There is no mandatory holding time defined in the reference method. The designated analyst, Colin Breslin, can be reached at 312-886-2912.

The samples were prepared and analyzed according to CRL SOP AIG015A Version #3 (based on SW-846: 9000).

Sample Analysis and Results

The data reported herein meets the requirements of the CRL analytical SOP used for analysis and any laboratory specifications stated in the Land and Chemicals Division, Generic Quality Assurance Project Plan, dated April 19, 2017, for the site Mid-America Steel Drum, Inc. The QAPP is saved on the CRL share drive with file name: Mid America Steel Drum QAPP.pdf.

These are the final sample results for Water Content for the Mid America Steel Drum, Inc. project.

Quality Control

All Quality Control (QC) audits were within CRL limits for the requested analytes or did not result in qualification of the data.



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536 South Clark Street, Chicago, IL 60605
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Project Manager: Jamie Paulin

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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SFS02	1705004-02	Other	May-04-17 13:20	May-05-17 07:50
SFS03	1705004-03	Other	May-04-17 13:31	May-05-17 07:50
SFS04	1705004-04	Other	May-04-17 13:39	May-05-17 07:50
SFS06	1705004-05	Other	May-04-17 13:55	May-05-17 07:50
SFS07	1705004-06	Other	May-04-17 14:03	May-05-17 07:50
SFS09	1705004-08	Other	May-04-17 15:23	May-05-17 07:50



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Water Content by SW846 Method 9000 US EPA Region 5 Chicago Regional Laboratory

SFS02 (1705004-02)		Matrix: Other	Sampled: May-04-17 13:20		Received: May-05-17 07:50				
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Water content	97.8			0.5	%	1	B17G047	Jul-26-17	Jul-26-17

SFS03 (1705004-03)		Matrix: Other	Sampled: May-04-17 13:31		Received: May-05-17 07:50				
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Water content	95.7			0.5	%	1	B17G047	Jul-26-17	Jul-26-17

SFS04 (1705004-04)		Matrix: Other	Sampled: May-04-17 13:39		Received: May-05-17 07:50				
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Water content	U			0.5	%	1	B17G047	Jul-26-17	Jul-26-17

SFS06 (1705004-05)		Matrix: Other	Sampled: May-04-17 13:55		Received: May-05-17 07:50				
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Water content	99.7			0.5	%	1	B17G047	Jul-26-17	Jul-26-17

SFS07 (1705004-06)		Matrix: Other	Sampled: May-04-17 14:03		Received: May-05-17 07:50				
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Water content	7.3			0.5	%	1	B17G047	Jul-26-17	Jul-26-17

SFS09 (1705004-08)		Matrix: Other	Sampled: May-04-17 15:23		Received: May-05-17 07:50				
Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Water content	82.5			0.5	%	1	B17G047	Jul-26-17	Jul-26-17



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Notes and Definitions

U Not Detected
NR Not Reported
Q QC limit Exceeded